

Comparisons of Job Characteristics

Focus Occupation: [Broadcast Technicians \(27-4012\)](#)

Associated Occupation: [Audio and Video Equipment Technicians \(27-4011\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 89

Focus Occupation: Broadcast Technicians (27-4012)

Associated Occupation: Audio and Video Equipment Technicians (27-4011)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Computers and Electronics	8.4	15.2	16.8	>	Current knowledge level is likely sufficient
Communications and Media	5.3	15.0	14.9	0	Current knowledge level may be sufficient
Telecommunications	3.9	14.1	15.5	0	Current knowledge level may be sufficient
Design	5.2	6.5	5.6	<	Expanded education and/or training may be required
Fine Arts	2.2	6.5	2.3	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 84

Focus Occupation: Broadcast Technicians (27-4012)

Associated Occupation: Audio and Video Equipment Technicians (27-4011)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation Monitoring	6.6	10.3	11.1	0	Current skill level may be sufficient
Troubleshooting	4.5	7.6	8.4	>	Skill level is likely sufficient
Equipment Selection	3.3	6.2	7.9	>	Skill level is likely sufficient
Installation	1.7	6.1	5.0	<	A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 95

Focus Occupation: Broadcast Technicians (27-4012)
Associated Occupation: Audio and Video Equipment Technicians (27-4011)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Information Ordering	9.9	11.2	10.0	<	Some improvement in abilities may be required
Far Vision	7.8	10.3	9.9	0	Current ability level may be sufficient
Visualization	7.5	9.3	9.1	0	Current ability level may be sufficient
Flexibility of Closure	7.8	9.1	9.4	0	Current ability level may be sufficient
Visual Color Discrimination	6.4	9.1	9.7	0	Current ability level may be sufficient
Time Sharing	6.6	7.9	6.1	<	Some improvement in abilities may be required
Auditory Attention	5.9	7.4	6.7	<	Some improvement in abilities may be required
Hearing Sensitivity	5.6	7.3	8.1	>	Current ability level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Broadcast Technicians (27-4012)
Associated Occupation: Audio and Video Equipment Technicians (27-4011)

Work Activities	Exclusivity of Activity
Demonstrate or explain assembly or use of equipment	61
Edit video film scenes	87
Operate audio-visual equipment	76
Operate recording or broadcast studio controls	87
Operate sound-reproducing or recording equipment	89
Operate special visual effects equipment	84
Operate video recorders	82

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 85

Focus Occupation: Broadcast Technicians (27-4012)
Associated Occupation: Audio and Video Equipment Technicians (27-4011)

Tools and Technologies	Exclusivity
Audio and visual equipment	4
Audio presentation and composing equipment and hardware and controllers	25

Business function specific software	1
Cameras	2
Computers	1
Content authoring and editing software	1
Data management and query software	1
Electrical measuring and testing equipment	7
Information exchange software	1
Interior lighting and fixtures	62
Light and wave generating and measuring equipment	4
Phone and video conference equipment and hardware and controllers	31
Video and combination video and audio presentation equipment and hardware and controllers	31

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.